

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application of: Jacobs, *et al.*  
Serial No: 10/731,724  
Filing Date: December 8, 2003  
Title: Use of Bacterium for Manufacture of a Vaccine  
Confirmation No: 5481  
Group Art Unit: 1633  
Examiner: Sumesh Kaushal  
Attorney Ref: 1999.452 US C1

February 23, 2010

**RESPONSE TO OFFICE ACTION**

Box: Amendment  
Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313

Sir:

In reply to the Office Action issued January 21, 2010, please consider the remarks that follow.

**Remarks** begin on page 2.